

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 6,743,823 B1
 DATED : June 1, 2004
 INVENTOR(S) : Marshall Summar et al.

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

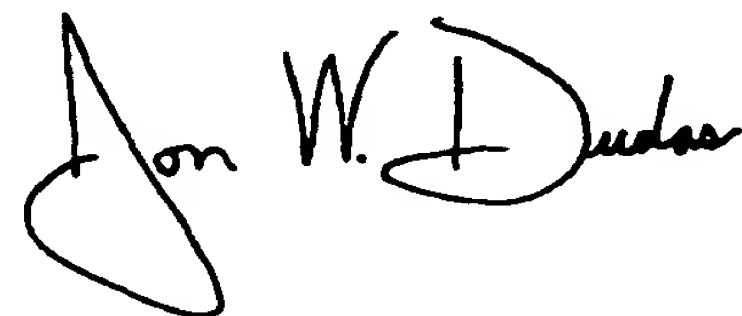
Column 137,

Replace claims 1-15 with the following:

1. A method of treating or preventing sub-optimal urea cycle function in a human subject having a polymorphism that results in a N→T substitution at amino acid 1405 of a carbamyl phosphate synthetase I (CPSI) polypeptide, the method comprising determining whether a human subject has said polymorphism, and, if said human subject has said polymorphism, administering to the human subject a therapeutically effective amount of a nitric oxide precursor, whereby treatment or prevention of sub-optimal urea cycle function is accomplished.
2. The method of claim 1, wherein the sub-optimal urea cycle function further comprises hyperammonemia or decreased arginine production.
3. The method of claim 1, wherein the subject is suffering from a disorder associated with impaired liver function or wherein the subject is exposed or about to be exposed to an environmental stimulus associated with impaired liver function.
4. The method of claim 3, wherein the disorder is selected from the group consisting of hepatitis, sclerosis, pulmonary hypertension, bone marrow transplant toxicity in a subject undergoing bone marrow transplant and combinations thereof.
5. The method of claim 3, wherein the environmental stimulus is selected from the group consisting of chemotherapy, cardiac surgery, increased oxidative stress, bone marrow transplant, and combinations thereof.
6. The method of claim 1, wherein the nitric oxide precursor is selected from the group consisting of citrulline, arginine and combinations thereof.
7. The method of claim 1, wherein the nitric oxide precursor is administered in a dose ranging from about 0.01 mg to about 1,000 mg.
8. ~~The method of claim 7, wherein the nitric oxide precursor is administered in a dose ranging from about 0.5 mg to about 500 mg.~~
9. The method of claim 8, wherein the nitric oxide precursor is administered in a dose ranging from about 1.0 mg to about 250 mg.
10. A method of treating or preventing bone marrow transplant toxicity in a human subject undergoing bone marrow transplant, the human subject having at least one copy of a carbamyl phosphate synthetase I (CPSI) gene that encodes a threonine residue at amino acid 1405 of a CPSI polypeptide, the method comprising determining whether a human subject has at least one copy of a CPSI gene encoding a threonine residue at amino acid 1405 of a CPSI polypeptide, and, if said human subject has at least one copy of a CPSI gene encoding a threonine residue at amino acid 1405 of a CPSI polypeptide, administering to the human subject a therapeutically effective amount of a nitric oxide precursor, whereby bone marrow transplant toxicity is treated or prevented in the human subject.
11. The method of claim 10, wherein the nitric oxide precursor is selected from the group consisting of citrulline, arginine and combinations thereof.
12. The method of claim 10, wherein the nitric oxide precursor is administered in a dose ranging from about 0.01 mg to about 1,000 mg.
13. The method of claim 12, wherein the nitric oxide precursor is administered in a dose ranging from about 0.5 mg to about 500 mg.
14. The method of claim 13, wherein the nitric oxide precursor is administered in a dose ranging from about 1.0 mg to about 250 mg.
15. The method of claim 10, wherein the bone marrow transplant toxicity comprises hepatic veno-occlusive disease.

Signed and Sealed this

Thirtieth Day of November, 2004



JON W. DUDAS
 Director of the United States Patent and Trademark Office